

**Bibliographic Information**

**Amphoteric emulsifiers for improving stability and resistance to soiling of alkenylsuccinic anhydride emulsion sizes for paper.** Hatanaka, Shigeto; Jinnai, Takeshi; Aizono, Takafumi; Taketomi, Yasuaki; Nakamura, Takashi. (Mitsubishi Oil Co., Ltd., Japan). Jpn. Kokai Tokkyo Koho (1994), 7 pp. CODEN: JKXXAF JP 06116894 A2 19940426 Heisei. Patent written in Japanese. Application: JP 92-287053 19921002. CAN 121:258285 AN 1994:658285 CAPLUS (Copyright 2005 ACS on SciFinder (R))

**Patent Family Information**

<u>Patent No.</u>	<u>Kind</u>	<u>Date</u>	<u>Application No.</u>	<u>Date</u>
JP <u>06116894</u>	A2	19940426	JP 1992-287053	19921002
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**Priority Application**

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**Abstract**

The title emulsion sizes fixable by papermaking alum are prepd. in the presence of surfactants and further stabilized by amphoteric polymers derived from water-sol. cationic monomers and/or salts 0.1-20, water-sol. anionic monomers and/or salts 0.1-30, (meth)acrylamides 99.8-50, and crosslinkers 0.01-1.0 mol%. An emulsion stabilizer was obtained from acrylamide-acrylic acid-dimethylaminopropylacrylamide-methylenebisacrylamide copolymer.